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# 32nd International Symposium on Lattice Field Theory (Lattice 2014)

## Monday 23 June 2014

### Hadron spectroscopy and interaction: Parallel 1B - 428 Pupin (14:15-15:55)

- Conveners: Prof. Aoki, Sinya

time	title	presenter
14:15	Pion-pion scattering phase shifts with the stochastic LapH method	FAHY, Brendan
14:35	Pi-Pi Scattering with $N_f=2+1+1$ Twisted Mass Fermions	KNIPPSCHILD, Bastian
14:55	Lattice study of pion-pion scattering using $N_f=2+1$ Wilson improved quarks with masses down to their physical values.	METIVET, Thibaut
15:15	K-pi scattering lengths at physical kinematics	JANOWSKI, Tadeusz
15:35	Resonances in pi-K scattering	WILSON, David

### Hadron spectroscopy and interaction: Parallel 2B - 428 Pupin (16:30-18:30)

- Conveners: Dr. Petschlies, Marcus

time	title	presenter
16:30	Charm in Lattice QCD with Domain-Wall Fermion	CHIU, Ting-Wai
16:50	Hadron spectra and $\Delta_{\text{mix}}$ from overlap quarks on a HISQ sea.	LYTLE, Andrew
17:10	Spectroscopy of charmed baryons from lattice QCD	MADANAGOPALAN, Padmanath
17:30	Low lying charmonium states at the physical point	MOHLER, Daniel
17:50	DK and $D^* K$ scattering near threshold	LANG, C. B.
18:10	Conserved currents and results from 2+1f dynamical Mobius DWF simulations at the physical point	BOYLE, Peter

## Tuesday 24 June 2014

### **Hadron spectroscopy and interaction: Parallel 3B - 428 Pupin (14:15-15:55)**

- Conveners: Prof. Chandrasekharan, Shailesh

time	title	presenter
14:15	Relativistic three-particle quantization condition: an update	SHARPE, Stephen
14:35	On the extraction of spectral quantities with open boundary conditions.	BRUNO, Mattia
14:55	Gradient Flow Analysis on MILC HISQ Ensembles	BROWN, Nathan
15:15	Simulating two dimensional two-color QCD using purely bosonic variables	AUGUST, Daniel
15:35	Radial and orbital excitation energies of charmonium	GALLOWAY, Ben

### **Hadron spectroscopy and interaction: Parallel 4B - 428 Pupin (16:30-18:10)**

- Conveners: Dr. Ohno, Hiroshi

time	title	presenter
16:30	Generating 2+1+1 Flavor Mobius Domain Wall Fermion Configurations	MAWHINNEY, Robert
16:50	The Lambda 1405 is an anti-kaon--nucleon molecule	LEINWEBER, Derek
17:10	Multi-channel 1 to 2 matrix elements in finite volume	WALKER-LOUD, andre
17:30	Scalar Mesons on the Lattice Using Stochastic Sources on GPU Architecture.	HOWARTH, Dean
17:50	Heavy Meson Spectrum Tests of the Oktay-Kronfeld Action	JANG, Yong-Chull

## Wednesday 25 June 2014

### **Hadron spectroscopy and interaction: Parallel 5B - 428 Pupin (09:00-10:40)**

- **Conveners: Dr. Lytle, Andrew**

time	title	presenter
09:00	Nucleon spectroscopy using multi-particle operators	KAMLEH, Waseem
09:20	Lattice QCD with 2+1 Flavors and Open Boundaries: First Results of the Baryon Spectrum	SOELDNER, Wolfgang
09:40	Baryon spectrum with $N_f=2+1+1$ twisted mass fermions	KALLIDONIS, Christos
10:00	Excited isovector mesons using the stochastic LapH method	MORNINGSTAR, Colin
10:20	An investigation of meson spectroscopy on isotropic clover lattices at the SU(3) flavor-symmetric point	RICHARDS, David

### **Hadron spectroscopy and interaction: Parallel 6B - 428 Pupin (11:10-13:10)**

- **Conveners: Lang, Christian B.**

time	title	presenter
11:10	Comparison between two-quark, tetra-quark and molecular states of the sigma meson from lattice QCD	WAKAYAMA, Masayuki
11:30	Investigation of the tetraquark candidate $a_0(980)$ : technical aspects.	BERLIN, Joshua
11:50	Investigation of the tetraquark candidate $a_0(980)$ : preliminary results	ABDEL-REHIM, Abdou
12:10	Flavored tetraquark spectroscopy	GUERRIERI, Andrea
12:30	Search for a bound H-dibaryon using local six-quark interpolating operators	GREEN, Jeremy
12:50	Two-Baryon Systems with Twisted Boundary Conditions	DAVOUDI, Zohreh

# Thursday 26 June 2014

## **Hadron spectroscopy and interaction: Parallel 7B - 428 Pupin (14:15-16:35)**

- Conveners: Prof. Chiu, Ting-Wai

time	title	presenter
14:15	An improved study of the excited radiative decay $\Upsilon(2S) \rightarrow \eta_b(1S)\gamma$ using lattice NRQCD	HUGHES, Ciaran
14:55	Determining Sigma - Lambda mixing	HORSLEY, Roger
15:15	Free-form Smeared Bottomonium Correlation Functions	WURTZ, Mark
15:35	Omega-Omega interaction from 2+1 flavor QCD	YAMADA, Masanori for HAL QCD Coll
15:55	Quark mass dependence of three-nucleon forces in lattice QCD	DOI, Takumi
16:15	A study of scattering in open charm channels	RYAN, Sinead

# Friday 27 June 2014

## **Hadron spectroscopy and interaction: Parallel 8B - 428 Pupin (14:15-15:55)**

- Conveners: Prof. Morningstar, Colin

time	title	presenter
14:15	Electromagnetic mass splittings from dynamical lattice QCD+QED	SCHIERHOLZ, Gerrit
14:35	Finite volume effects and the electromagnetic contributions to kaon and pion masses	BERNARD, Claude
14:55	Search for $Z_c(3900)$ on the lattice with twisted mass fermions	LIU, Liuming
15:15	Evidence for the charged charmonium-like state $Z_c^+$ from lattice QCD	LESKOVEC, Luka
15:35	Updated results from maximally twisted mass QCD at the physical point	KOSTRZEWA, Bartosz